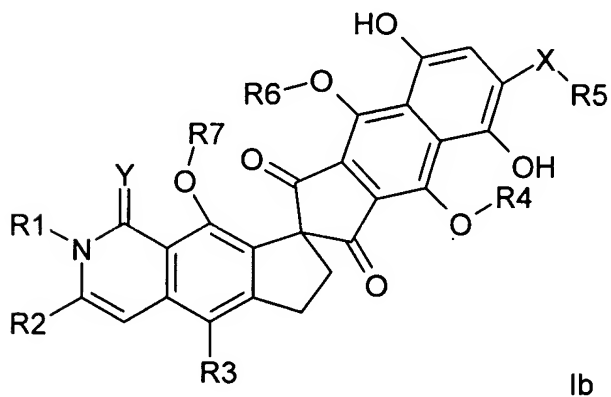
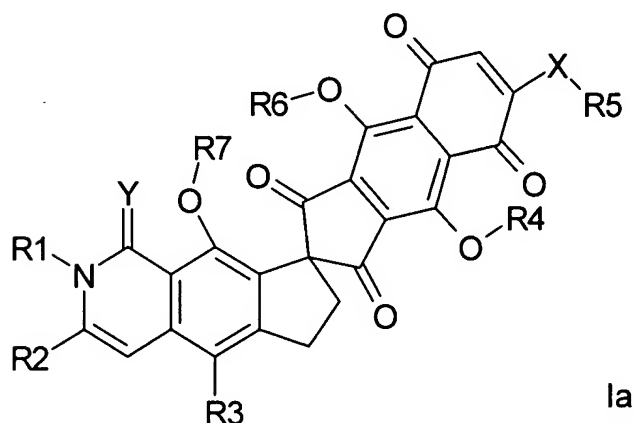


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS**Claims**

1. (Currently amended) ~~The compounds~~ A compound according to the general formula Ia or Ib:

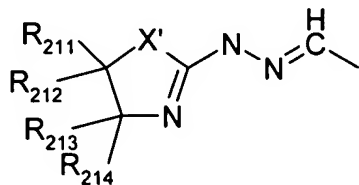


wherein in each,

R1 ~~means is~~ means H, C₁-C₆ alkyl, cycloalkyl, ~~or C₁-C₄ alkylcycloalkyl, alkylcycloalkyl;~~

R2 ~~means is~~ means C₁-C₁₄ alkyl, C₂-C₁₄ alkenyl, 1,3-butadienyl, 1-butane, C₁-C₄ alkylaryl, heteroaryl, C₁-C₄ alkylheteroaryl, cycloalkyl, C₁-C₄ alkyl-cycloalkyl, heterocycloalkyl, C₁-C₄ alkylheterocycloalkyl, C_mH_{2m+o-p}Y_p (with m = 1 to 6, for o = 1, p = 1 to 2m+o; for m = 2 to 6, o = 1, p = 1 to 2m+o; for m = 4 to 6, o = 2, p = 1 to 2m+o; ~~Y = independently from each other selected from the group consisting of halogen, OH, OR21, NH2, NHR21, NR21R22, SH, SR21),~~ CH₂NHCOR21, CH₂NHCSR21, CH₂S(O)_nR21, with n = 0, 1, 2, CH₂SCOR21,

CH₂OSO₂-R₂₁, CHO, CH=NOH, CH(OH)R₂₁, -CH=NOR₂₁, -CH=NOCOR₂₁, -
 CH=NOCH₂CONR₂₁R₂₂, -CH=NOCH(CH₃)CONR₂₁R₂₂, -CH=NOC(CH₃)₂CONR₂₁R₂₂,
 -CH=N-NHCO-R₂₃, -CH=N-NHCO-CH₂NHCOR₂₁, -CH=N-O-CH₂NHCOR₂₁, -CH=N-
 NHCS-R₂₃, -CH=CR₂₄R₂₅ (trans or cis), COOH, COOR₂₁, CONR₂₁R₂₂, -CH=NR₂₁, -



CH=N-NR₂₁R₂₂, , (with ~~X' = NR₂₁₅, O, S, and R₂₁₁, R₂₁₂,
 R₂₁₃, R₂₁₄, R₂₁₅ being independently from each other H or C₁-C₆ alkyl~~), -CH=N-NHSO₂
 aryl, or -CH=N-NHSO₂ heteroaryl,

wherein m is 1 to 6, o is 1, p is 1 to 2m+o;

m is 2 to 6, o is -1, p is 1 to 2m+o; or

m is 4 to 6, o is -2, p is 1 to 2m+o;

Y is independently from each other selected from the group consisting of halogen, OH, OR₂₁,
 NH₂, NHR₂₁, NR₂₁R₂₂, SH and SR₂₁; and

wherein X' is NR₂₁₅, O, or S; and R₂₁₁, R₂₁₂, R₂₁₃, R₂₁₄, R₂₁₅ are independently from
 each other H or C₁-C₆ alkyl)

R₂₁, R₂₂ are independently from each other C₁-C₁₄ alkyl, C₁-C₁₄ alkanoyl, C₁-C₆
 alkylhydroxy, C₁-C₆ alkylamino, C₁-C₆ alkylamino-C₁-C₆ alkyl, C₁-C₆ alkylamino-di-C₁-C₆
 alkyl, cycloalkyl, C₁-C₄ alkylcycloalkyl, heterocycloalkyl, C₁-C₄ alkylheterocycloalkyl, aryl,
 aryloyl, C₁-C₄ alkylaryl, heteroaryl, heteroaryloyl, C₁-C₄ alkylheteroaryl, cycloalkanoyl, C₁-
 C₄ alkanoylcycloalkyl, heterocycloalkanoyl, C₁-C₄ alkanoylheterocycloalkyl, C₁-C₄
 alkanoylaryl, C₁-C₄ alkanoylheteroaryl, or mono- and di-sugar di-sugars ~~residues~~ linked
 through a C atom which would carry an OH residue group in the sugar, wherein the sugars are
 independently from each other selected from the group consisting of glucuronic acid and its
 stereo isomers at all optical atoms, aldopentoses, and aldohexoses, including their desoxy
 compounds (~~such as e.g. glucose, desoxyglucose, ribose, desoxyribose~~);

R₂₃ independently of R₂₁, ~~has the same meanings as is R₂₁, or a CH₂-pyridinium salts
 salt, or a CH₂-tri-C₁-C₆ alkylammonium salts, salt;~~

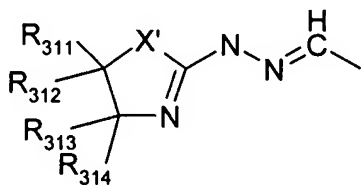
R₂₄ independently of R₂₁, ~~has the same meanings as is R₂₁, or H, CN, COCH₃, COOH,
 COOR₂₁, CONR₂₁R₂₂, NH₂, NHCOR₂₁, or NHCOR₂₁;~~

R25 independently of R21, ~~has the same meanings as is R21, or H, CN, COCH₃, COOH,~~
COOR21, CONR21R22, NH₂, ~~NHCOR21,~~ or NHCOR21;

R24, R25 together mean are C₄-C₈ cycloalkyl, cycloalkyl;

R3 means is C₂-C₁₄ alkyl, C₂-C₁₄ alkenyl, C₂-C₁₄ alkynyl, aryl, C₁-C₄ alkylaryl, heteroaryl,
C₁-C₄ alkylheteroaryl, wherein the aryls or heteroaryls may be substituted with another aryl,
C₁-C₄ alkylaryl, O-aryl, C₁-C₄ alkyl-O-aryl, heteroaryl, C₁-C₄ alkylheteroaryl, O-heteroaryl or
C₁-C₄ alkyl-O-heteroaryl,

cycloalkyl, C₁-C₄ alkylcycloalkyl, heterocycloalkyl, C₁-C₄ alkylheterocycloalkyl, ~~C_mH_{2m+o},~~
~~_pY_p (with m = 2 to 6, for o = 1, -1, p = 1 to 2m+o; for m = 4 to 6, o = -3, p = 1 to 2m+o; Y =~~
~~independently from each other selected from the group consisting of halogen, OH, OR31,~~
~~NH₂, NHR31, NR31R32, SH, SR31), C_mH_{2m+o-p}Y_p, CH₂NHCOR31, CH₂NHCSR31,~~
CH₂S(O)nR31, ~~with n = 0, 1, 2,~~ CH₂SCOR31, CH₂OSO₂-R31, CHO, CH=NOH,
CH(OH)R31, -CH=NOR31, -CH=NOCOR31, -CH=NOCH₂CONR31R32, -
CH=NOCH(CH₃)CONR31R32, -CH=NOC(CH₃)₂CONR31R32, -CH=N-NHCO-R33, -
CH=N-NHCO-CH₂NHCOR31, -CH=N-O-CH₂NHCOR31, -CH=N-NHCS-R33, -
CH=CR34R35 (trans or cis), COOH, COOR31, CONR31R32, -CH=NR31, -CH=N-



NR31R32, (with X' = NR315, O, S, and R311, R312, R313,
R314, R315 being independently from each other H or C₁-C₆ alkyl), -CH=N-NHSO₂ aryl, or -
CH=N-NHSO₂- heteroaryl,

wherein m is 2-6, o is 1 or -1, and p is 1 to 2m + o; or

m is 4-6, o is -3 and p is 1 to 2m + o; and

Y' is independently from each other selected from the group consisting of halogen, OH,
OR31, NH₂, NHR31, NR31R32, SH, and SR31; and

wherein n is 0, 1 or 2;

R31, R32 mean independently from each other C₁-C₁₄ alkyl, C₁-C₁₄ alkanoyl, C₁-C₆
alkylhydroxy, C₁-C₆ alkylamino, C₁-C₆ alkylamino-C₁-C₆ alkyl, C₁-C₆ alkylamino-di-C₁-C₆
alkyl, cycloalkyl, C₁-C₄ alkylcycloalkyl, heterocycloalkyl, C₁-C₄ alkylheterocycloalkyl, aryl,

aryloyl, C₁-C₄ alkylaryl, heteroaryl, heteroaryloyl, C₁-C₄ alkylheteroaryl, cycloalkanoyl, C₁-C₄ alkanoylcycloalkyl, heterocycloalkanoyl, C₁-C₄ alkanoylheterocycloalkyl, C₁-C₄ alkanoylaryl, C₁-C₄ alkanoylheteroaryl, alkanoylaryl, C₁-C₄ alkanoylheteroaryl, or mono- and di-sugar di-sugars residues linked through a C atom which would carry an OH residue group in the sugar, wherein the sugars are independently from each other selected from the group consisting of glucuronic acid and its stereo isomers at all optical atoms, aldopentoses, and aldohexoses, including their desoxy compounds (such as e.g. glucose, desoxyglucose, ribose, desoxyribose); compounds;

R33 independently of R31, ~~has the same meanings as is R31, or a CH₂-pyridinium salts, salt, or a CH₂-tri-C₁-C₆ alkylammonium salts, salt;~~

R34 independently of R21, ~~has the same meanings as is R31, or H, CN, COCH₃, COOH, COOR21, CONR31R32, NH₂, NHCOR31, or NHCOR31;~~

R35 independently of R31, ~~has the same meanings as is R31, or H, CN, COCH₃, COOH, COOR31, CONR31R32, NH₂, NHCOR31, or NHCOR31;~~

R34, R35 together ~~mean C₄-C₈ cycloalkyl, are C₄-C₈ cycloalkyl;~~

R5 ~~means is~~ H, C₁-C₆ alkyl, cycloalkyl, C₁-C₄ alkylcycloalkyl, heterocycloalkyl, C₁-C₄ alkylheterocycloalkyl, aryl, C₁-C₄ alkylaryl, heteroaryl, ~~C₁-C₄ alkylheteroaryl, or C₁-C₄ alkylheteroaryl;~~

R4, R6, R7 independently from each other ~~mean are~~ H, C₁-C₆ alkyl, ~~CO-R41, or CO-R41;~~

R41 independently of R21, ~~has the same meanings as R21, is R21;~~

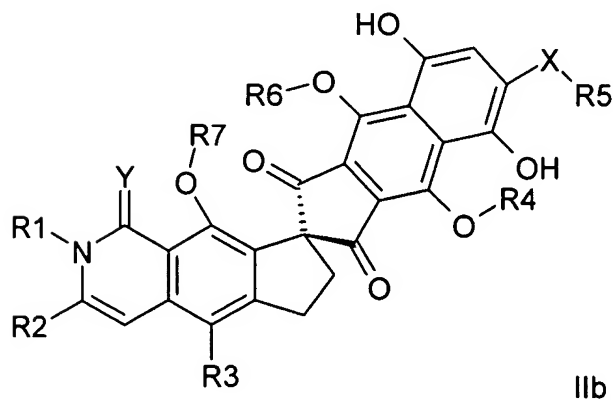
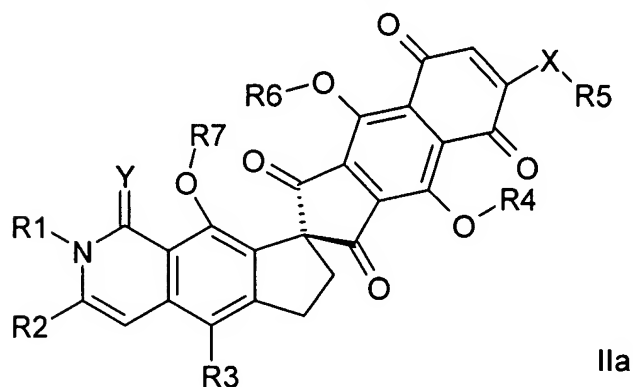
X ~~means is~~ O, S, NH, or N-R8, wherein R8 independently from R5 ~~may adopt the same meaning as is~~ R5, or R5 and R8, together with the N, form a ring with 4, 5, 6, 7, or 8 members, which may optionally contain still another heteroatom selected from the group consisting of N, O, S, and S;

or X-R5 may together be H, H;

Y means is O, S, or NR₉, wherein R₉ ~~may be~~ is H or ~~C₁-C₆ alkyl~~, C₁-C₆ alkyl;

~~as well their stereoisomers, tautomers, and their physiologically tolerable salts or inclusion compounds.~~ or a stereoisomer, tautomer or physically tolerable salt thereof.

2. (Original) The compounds according to claim 1, wherein Formula Ia or Ib adopt the stereochemistry of Formula IIa or IIb



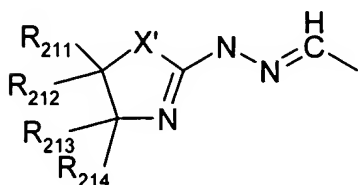
Claims 3-4. (Canceled)

5. (Currently amended) The ~~compounds~~ compound according to claim 1, wherein

R1 means is H, C₁-C₅ alkyl, ~~cycloalkyl~~, especially H, or cycloalkyl;

R2 means is C₁-C₅ alkyl, C₁-C₄ alkylaryl, C₂-C₅ alkenyl, heteroaryl, C₁-C₄ alkylheteroaryl, CHF₂, CF₃, polyol side chain, ~~particularly~~ CHOH-CHOH-CHOH-CHOH-CH₃, CHOH-

CHOH-CH=CH-CH₃, CH=CH-CHOH-CHOH-CH₃, CH₂Y (Y = F, Cl, Br, I), CH₂NH₂, CH₂NR₂₁R₂₂, CH₂NHCOR₂₃, CH₂NHCSR₂₃, CH₂SH, CH₂S(O)_nR₂₁, with n = 0, 1, 2, CH₂SCOR₂₁, particularly CH₂OH, CH₂OR₂₁, CH₂OSO₂-R₂₁, particularly CHO, CH(OR₂₁)₂, CH(SR₂₁)₂, CN, CH=NOH, CH=NOR₂₁, CH=NOCOR₂₁, CH=N-NHCO-R₂₃, CH=CR₂₄, R₂₅ (trans or cis), particularly COOH (~~particularly their physiologically tolerable salts~~), COOR₂₁, CONR₂₁R₂₂, -CH=NR₂₁, -CH=N-NR₂₁R₂₂,



, (with X' = NR₂₁₅, O, S, and ~~R₂₁₁, R₂₁₂, R₂₁₃, R₂₁₄, R₂₁₅~~

~~being independently from each other H or C₁-C₆ alkyl~~), -CH=N-NHSO₂-aryl, -CH=N-

NHSO₂-heteroaryl, or CH=N-NHCO-R₂₃;

wherein X' is NR₂₁₅, O, or S; and R₂₁₁, R₂₁₂, R₂₁₃, R₂₁₄, and R₂₁₅ are independently from each other are H or C₁-C₆ alkyl;

R₂₁, R₂₂ independently from each other ~~mean~~ are C₁-C₆ alkyl, cycloalkyl, aryl, C₁-C₄ alkylaryl, heteroaryl, or C₁-C₄ alkylheteroaryl, alkylheteroaryl;

R₂₃ independently of R₂₁, ~~has the same meanings as is R₂₁, or a CH₂-pyridinium salts, salt, or a CH₂-tri-C₁-C₆ alkylammonium salts, salt;~~

R₂₄ independently of R₂₁, ~~has the same meanings as is R₂₁, or H, CN, COCH₃, COOH, COOR₂₁, CONR₂₁R₂₂, NH₂, NHCOR₂₁, or NHCOR₂₁;~~

R₂₅ independently of R₂₁, ~~has the same meanings as is R₂₁, or H, CN, COCH₃, COOH, COOR₂₁, CONR₂₁R₂₂, NH₂, NHCOR₂₁, or NHCOR₂₁;~~

R₂₄, R₂₅ together ~~mean C₄-C₈ cycloalkyl~~, are C₄-C₈ cycloalkyl;

R₃ means is C₂-C₁₄ alkyl, C₂-C₁₄ alkenyl, C₂-C₁₄ alkynyl, aryl, C₁-C₄ alkylaryl, heteroaryl, or C₁-C₄ alkylheteroaryl, wherein the aryls or heteroaryl may be substituted with another aryl, C₁-C₄ alkylaryl, O-aryl, C₁-C₄ alkyl-O-aryl, heteroaryl, C₁-C₄ alkylheteroaryl, O-heteroaryl ~~or C₁-C₄ alkyl-O-heteroaryl, C₁-C₄ alkyl-O-heteroaryl;~~

R5 means is H, C₁-C₃ alkyl, ~~cycloalkyl~~, or cycloalkyl;

R4, R6, R7 independently from each other ~~mean~~ are H, C₁-C₅ alkyl, ~~CO-R41~~, or CO-R41;

R41 independently of R21, ~~has the same meanings as R21~~, is R21;

X means is O, S, NH, ~~N-R8~~, or N-R8;

Y means is O, S, or NH.

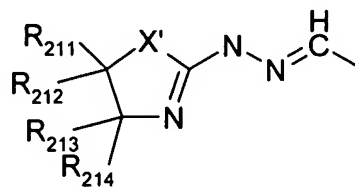
6. (Currently amended) The ~~compounds~~ compound according to claim 1 in the form of ~~their inclusion compounds with cyclodextrin, particularly alpha-cyclodextrin~~ an inclusion compound with cyclodextrin.

Claims 7-14. (Canceled)

15. (New) The compound according to claim 2 wherein

R1 is H, C₁-C₅ alkyl, or cycloalkyl;

R2 is C₁-C₅ alkyl, C₁-C₄ alkylaryl, C₂-C₅ alkenyl, heteroaryl, C₁-C₄ alkylheteroaryl, CHF₂, CF₃, polyol side chain, CHOH-CHOH-CHOH-CHOH-CH₃, CHOH-CHOH-CH=CH-CH₃, CH=CH-CHOH-CHOH-CH₃, CH₂Y (Y = F, Cl, Br, I), CH₂NH₂, CH₂NR₂₁R₂₂, CH₂NHCOR₂₃, CH₂NHCSR₂₃, CH₂SH, CH₂S(O)_nR₂₁, with n = 0, 1, 2, CH₂SCOR₂₁, CH₂OH, CH₂OR₂₁, CH₂OSO₂-R₂₁, CHO, CH(OR₂₁)₂, CH(SR₂₁)₂, CN, CH=NOH, CH=NOR₂₁, CH=NOCOR₂₁, CH=N-NHCO-R₂₃, CH=CR₂₄, R₂₅ (trans or cis), COOH,



COOR₂₁, CONR₂₁R₂₂, -CH=NR₂₁, -CH=N-NR₂₁R₂₂,

-CH=N-NHSO₂-aryl, -CH=N-NHSO₂-heteroaryl, or CH=N-NHCO-R₂₃,

wherein X' is NR₂₁₅, O, or S; and R₂₁₁, R₂₁₂, R₂₁₃, R₂₁₄, and R₂₁₅ are independently from each other are H or C₁-C₆ alkyl;

R21, R22 independently from each other are C₁-C₆ alkyl, cycloalkyl, aryl, C₁-C₄ alkylaryl, heteroaryl, or C₁-C₄ alkylheteroaryl;

R23 independently of R21, is R21, a CH₂-pyridinium salt, or a CH₂-tri-C₁-C₆ alkylammonium salt;

R24 independently of R21, is R21, H, CN, COCH₃, COOH, COOR21, CONR21R22, NH₂, or NHCOR21;

R25 independently of R21, is R21, H, CN, COCH₃, COOH, COOR21, CONR21R22, NH₂, or NHCOR21;

R24, R25 together are C₄-C₈ cycloalkyl;

R3 is C₂-C₁₄ alkyl, C₂-C₁₄ alkenyl, C₂-C₁₄ alkynyl, aryl, C₁-C₄ alkylaryl, heteroaryl, or C₁-C₄ alkylheteroaryl, wherein the aryls or heteroaryls may be substituted with another aryl, C₁-C₄ alkylaryl, O-aryl, C₁-C₄ alkyl-O-aryl, heteroaryl, C₁-C₄ alkylheteroaryl, O-heteroaryl or C₁-C₄ alkyl-O-heteroaryl;

R5 is H, C₁-C₃ alkyl, or cycloalkyl;

R4, R6, R7 independently from each other are H, C₁-C₅ alkyl, or CO-R41;

R41 independently of R21, is R21;

X is O, S, NH, or N-R8;

Y is O, S, or NH.

16. (New) A pharmaceutical composition comprising a compound of claim 1 and a pharmaceutically acceptable carrier or adjuvant.

17. (New) A pharmaceutical composition comprising a compound of claim 2 and a pharmaceutically acceptable carrier or adjuvant.